



## Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact [support@jstor.org](mailto:support@jstor.org).

# PRESENTS

RECEIVED BY THE

## ROYAL SOCIETY,

*From November 1796 to July 1797;*

WITH THE

### NAMES OF THE DONORS.

1796.	PRESENTS.	DONORS.
Nov. 10.	Archæologia. Vol. XII. London, 1796. 4°	The Society of Anti- quaries.
	Transactions of the Society for the Encourage- ment of Arts, Manufactures, and Commerce. Vol. XIV. London, 1796. 8°	The Society for Encou- ragement of Arts, Ma- nufactures, and Com- merce.
	Euripidis Hippolytus, cum Scholiis, versione La- tina, variis Lectionibus, Notis; edidit F. H. Egerton. Oxonii, 1796. 4°	The Rev. F. H. Egerton, M. A. F. R. S.
	Vestiges of Oxford Castle, by E. King. London, 1796. fol.	Edward King, Esq. F. R. S.
	Remarks concerning Stones, said to have fallen from the Clouds, by E. King. London, 1796. 4°	Viscount Mountmorres, F. R. S.
	The History of the principal Transactions of the Irish Parliament from the Year 1634 to 1636, by Lord Mountmorres. 2 Vols. London, 1792. 8°	Count of Rumford, F. R. S.
	Essays political, economical, and philosophical, by Benjamin Count of Rumford. Vol. I. 1796. 8°	William Withering, M. D. F. R. S.
	An Arrangement of British Plants, by W. Wither- ing. 3d edition. 4 Vols. Birmingham, 1796. 8°	M. L'Huilier, F. R. S.
	Principiorum Calculi differentialis et integralis ex- positio elementaris, auctore S. L'Huilier. Tu- bingæ, 1795. 4°	Professor J. G. Walter, F. R. S.
	Anatomisches Museum, gesammelt von J. G. Wal- ter, beschrieben von F. A. Walter. 1 und 2 Theil. Berlin, 1796. 4°	Sig. Aldini.
	A. Galvani de Viribus Electricitatis in motu Mus- culari Commentarius, cum J. Aldini Disserta- tione et Notis. Mutinæ, 1792. 4°	
	J. Aldini de Animalis Electricitate Dissertationes duæ. Bononiæ, 1794. 4°	

## PRESENTS.

A Memoir concerning the fascinating Faculty, which has been ascribed to the Rattlesnake, and other American Serpents, by B. S. Barton. Philadelphia, 1796. 8°

L'Uomo galleggiante, o sia l'Arte ragionata del Nuoto, dal Dott. O. de' Bernardi. 2 Vol. Napoli, 1794. 4°

Mémoire sur la Force expansive de la Vapeur de l'Eau, par M. de Betancourt. Paris. 4°

I Regali Sepolcri del Duomo di Palermo riconosciuti e illustrati. Napoli, 1784. fol.

Memoria sul Principio delle Velocità virtuali, del Cav. Vitt. Fossombroni. Firenze, 1796. 4°

Usus Logarithmorum Infinitinomii in Theoria Equationum, auctore M. de Prasse. Lipsiæ, 1796. 4°

Dec. 8. Catalogus Bibliothecæ Historico-Naturalis Josephi Banks, auctore J. Dryander. Tomus II. Londini, 1796. 8°

Suggestions for the Improvement of Hospitals, by W. Blizard. London, 1796. 8°

A Catalogue of Dictionaries, Vocabularies, Grammars, and Alphabets, by W. Marsden. London, 1796. 4°

An historical Dissertation upon the Origin, Suspension, and Revival of the Judicature and Independency of the Irish Parliament, by H. Viscount Mountmorres. London, 1795. 8°

A Treatise on Nervous Diseases, by S. Walker. London, 1796. 8°

Nuovo Metodo di applicare alla Sintesi la Soluzione analitica di qualunque Problema geometrico, di A. Romano. Venezia, 1793. 8°

22. An Account of Indian Serpents, collected on the Coast of Coromandel, by P. Russell. London, 1796. fol.

Plants of the Coast of Coromandel, by W. Roxburgh. Vol. I. No. 1—3. London, 1795. fol.

A Dictionary of Arts and Sciences in the Chinese Language. 60 Parts, in 10 Vols.

1797.

Jan. 12. Kongl. Vetenskaps Academiens Nya Handlingar, Tom. XVI. för år 1795, 3d and 4th Quarter; and Tom. XVII. för år 1796, 1st and 2d Quarter. Stockholm. 8°

Astronomie, författad af D. Melanderhjelm. 2 Delar. Stockholm, 1795. 8°

Collection of Engravings from ancient Vases discovered in Sepulchres in the Kingdom of the two Sicilies, now in the possession of Sir W. Hamilton. Vol. II. Naples, 1795. fol.

## DONORS.

Professor Barton, of Philadelphia.

Canonico Oronzio de' Bernardi.

Chev. de Betancourt.

Marchese di Circello, Envoy Extr. and Min. Plen. from his Sicilian Majesty.

Cav. Vittorio Fossombroni.

M. de Prasse.

Right Hon. Sir Joseph Banks, Bart. K. B. Pr. R. S.

Mr. William Blizard, F. R. S.

William Marsden, Esq. F. R. S.

Viscount Mountmorres, F. R. S.

Sayer Walker, M. D.

Sig. Antonio Romano.

The Chairman and Deputy Chairman of the East India Company.

Matthew Raper, Esq. F. R. S.

The Royal Academy of Sciences of Stockholm.

Rt. Hon. Sir William Hamilton, K. B. F. R. S.

PRESENTS.

26. Essays by a Society of Gentlemen at Exeter. Exeter, 1796. 8°  
 A Meteorological Journal of the Year 1796, kept in London, by W. Bent. London. 8°
- Feb.* 9. A System of comparative Anatomy and Physiology, by B. Harwood. Vol. I. Cambridge, 1796. 4°  
 Medical Facts and Observations. Vol. VII. London, 1797. 8°
16. Impression from a Gem representing the Head of Sir Isaac Newton.  
 Catalogue of one hundred impressions from Gems, engraved by Nath. Marchant. London, 1792. 4°  
 with a box containing the said Impressions.
23. Specimens of British Minerals, selected from the Cabinet of P. Rashleigh. London, 1797. 4°
- Mar.* 2. Mémoires de l'Académie Royale des Sciences et Belles Lettres, 1790 et 1791. Berlin, 1796. 4°  
 Sammlung der Deutschen Abhandlungen welche in der Kön. Akademie der Wissenschaften zu Berlin vorgelesen worden in den Jahren 1790 und 1791. Berlin, 1796. 4°  
 Prodromus Stirpium in Horto ad Chapel Allerton vigentium, auctore R. A. Salisbury. Londini, 1796. 8°
9. A complete System of Astronomy, by S. Vince, Vol. I. Cambridge, 1797. 4°  
 A Collection of Tracts on Wet Docks for the Port of London. 1797. 8°
16. A Description of the Genus Cinchona. London, 1797. 4°  
 Three Views of the Geyser, a hot spring in Iceland, engraved by F. Chesham, from Drawings taken on the Spot in 1789.
- De Corporis humani Viribus conservatricibus Dissertatio, auctore Th. Young. Gottingæ, 1796. 8°
30. A Journal of Natural Philosophy, Chemistry, and the Arts, by W. Nicholson. No. 1. London, 1797. 4°  
 Traité de Minéralogie, par le P. D. de Gallitzin. Helmstedt, 1796. 4°
- April* 6. Remarks on the Antiquities of Rome and its Environs, by A. Lumisden. London, 1797. 4°  
 Aphroditographische Fragmente, von. J. H. Schröter. Helmstedt, 1796. 4°
27. A large Collection of Sanscrit and other Oriental Manuscripts.  
 An elegant Inkstand of Silver, gilt, for the Use of the Society, at the table of the Meeting-room.  
 The Persian and Arabic Works of Sadee. 2 Vols. Calcutta, 1791 and 1795. fol.  
 Annals of Medicine for the Year 1796, by A. Duncan, sen. and A. Duncan, jun. Vol. I. Edinburgh, 1796. 8°

DONORS.

- The Society of Gentlemen at Exeter.  
 Mr. William Bent.
- Busick Harwood, M. D. F. R. S.  
 Samuel Foart Simmons, M. D. F. R. S.  
 Mr. Marchant.
- 
- Philip Rashleigh, Esq. F. R. S.  
 The Royal Academy of Sciences of Berlin.
- 
- Richard Anthony Salisbury, Esq. F. R. S.
- The Rev. Samuel Vince, A. M. F. R. S.  
 William Vaughan, Esq.
- Aylmer Bourke Lambert, Esq. F. R. S.  
 John Thomas Stanley, Esq. F. R. S.
- Thomas Young, M. D. F. R. S.  
 Mr. William Nicholson.
- Prince Dimitri de Gallitzin.  
 Andrew Lumisden, Esq.
- Mr. Schröter, of Lilienthal.
- The late Sir William Jones, F. R. S. and Lady Jones.  
 John Symmons, Esq. F. R. S.  
 Richard Johnson, Esq.
- Andrew Duncan, sen. M. D. Andrew Duncan, jun. M. D.

## PRESENTS.

- May* 4. Surgical and Physiological Essays, by J. Abernethy. 3 Parts. London, 1793 and 1797. 8°
11. N. J. Jacquin Collectaneorum Supplementum. Vindobonæ, 1796. 4°
- Descrizione del nuovo Remedio curativo e preservativo contro la Peste, usato nello Spedale di S. Antonio in Smirne. Vienna, 1797. 8°
- Nachricht von dem im St. Antons-Spitale in Smirna gebrauchten einfachen Mittel die Pest zu heilen. Wien, 1797. 8°
- A Journal of Natural Philosophy, by W. Nicholson. No. 2.
- Pantometry, by J. Dawes. London, 1797. 12°
18. Connoissance des Tems pour les Années 6 et 7, publiées par le Bureau de Longitude. 2 Vols. Paris, l'An 4. 8°
- Exposition du Système du Monde, par P. S. Laplace. Tomes II. Paris, l'An 4. 8°
- Eléments de Géométrie, par A. M. Le Gendre. Paris, l'An 2. 8°
- Mémoire sur les Transcendantes Elliptiques, par A. M. Le Gendre. Paris, l'An 2. 4°
- Essais de Géométrie, sur les Plans et les Surfaces courbés, par S. F. Lacroix. Paris, l'An 3. 8°
- Traité du Calcul différentiel et du Calcul intégral, par S. F. Lacroix. Tome I. Paris, l'An 5. 4°
25. Transactions of the Linnean Society. Vol. III. London, 1797. 4°
- June* 1. Supplement to the Anecdotes of some distinguished persons. London, 1797. 8°
- A Journal of Natural Philosophy, by W. Nicholson. No. 3.
15. General Views of the Agriculture of the Counties of Glamorgan and Kincardine. 4°
- Practical Observations on the Treatment of Ulcers on the Legs, by E. Home. London, 1797. 8°
- Journal of a Tour through North Wales and part of Shropshire, by A. Aikin. London, 1797. 8°
- July* 6. Tableau Physique de la Tauride, par P. S. Pallas. S. Petersburg, 1795. 4°
- The Life of William late Earl of Mansfield, by J. Holliday. London, 1797. 4°
- The Orchardist, by T. S. D. Bucknall. London, 1797. 8°
- Tables of Monies, Weights and Measures, by G. Fair.
- A Journal of Natural Philosophy, by W. Nicholson. No. 4.

## DONORS.

Mr. John Abernethy,  
F. R. S.  
Professor de Jacquin,  
F. R. S.  
Leopold Count of Berchtold.

---

Mr. William Nicholson.

Mr. John Dawes.  
M. Lalande, F. R. S.

M. Laplace, F. R. S.

M. Le Gendre, F. R. S.

---

M. S. F. Lacroix.

---

The Linnean Society.

William Seward, Esq.  
F. R. S.  
Mr. William Nicholson.

The Board of Agriculture.  
Everard Home, Esq.  
F. R. S.  
Mr. Arthur Aikin.

M. Bakounin, Director  
of the Imperial Academy of Sciences of  
Petersburg.  
John Holliday, Esq.  
F. R. S.  
Thomas SkipDyot Bucknall, Esq.  
Mr. George Fair.

Mr. William Nicholson.

# INDEX

TO THE

## PHILOSOPHICAL TRANSACTIONS

FOR THE YEAR 1797.

A	page
<i>Air, heavy inflammable</i> , experiments on, - - -	401
<i>Andromeda</i> , on the stars in, - - -	307, 321
<i>Animal impregnation</i> , experimental inquiry concerning, -	159
<i>Aquarius</i> , on the stars in, - - -	297
<i>Aquila</i> , on the stars in, - - -	299
<i>Aries</i> , on the stars in, - - -	301
<i>Astronomy, nautical</i> , on the principal problems of, -	43
<i>Austin, Dr.</i> Remarks on some experiments made by him,	401

B	
<i>Barros, M. de.</i> Remarks on a phænomenon observed by him,	378
<i>Bartolin.</i> Remarks on a fact mentioned by him, -	381
<i>Bernouilli, Daniel.</i> Remarks on his computation of the force of gunpowder, - - -	223
<i>Blood</i> , observations and experiments on its colour, -	416
<i>Bootes</i> , on the stars in, - - -	309, 321
<i>Brass plate</i> , experiments with one, - - -	363
BROUGHAM, HENRY, Jun. Esq. Farther experiments and ob- servations on the affections and properties of light, -	352

C	
<i>Calculus, fusible</i> , remarks on, - - -	390
<i>mulberry</i> , remarks on, - - -	393
MDCCXCVII.	4 B

# INDEX.

	page
<i>Calculus, bone-earth</i> , remarks on, - -	395
— <i>from the prostate gland</i> , remarks on, -	396
<i>Caloric</i> , supposed to be a cause of the force of fired gunpowder,	233
<i>Cancer</i> , on the stars in, - - -	311, 321
<i>Cannon</i> , on different ways of firing them, -	237, 285
— on the heat they acquire by being fired, -	249
<i>Capricornus</i> , on the stars in, - - -	299
<i>Carbon</i> , experiments to determine whether it be a simple or a compound substance, - - - -	401
<i>Cassiopea</i> , on the stars in, - - - -	302
CAVENDISH, HENRY, Esq. Extract of a letter from him, containing a method of computing lunar distances, - -	119
<i>Centaurus</i> , on the stars in, - - - -	314
<i>Cepheus</i> , on the stars in, - - - -	314, 322
<i>Cetus</i> , on the stars in, - - - -	303
<i>Colour of blood</i> , experiments and observations on, -	416
<i>Colours</i> , deception produced by different rays, -	362
— <i>rings of</i> , remarks on, - - - -	362
— <i>of bodies</i> , opinion of Zucchiuſ respecting, -	418
<i>Concretions, gouty and urinary</i> , observations on, -	386
<i>Cornea</i> , on its nature and some of its diseases, - -	18
CORNWALLIS, Marquis. Account of the trigonometrical survey carried on by his order, in the years 1795 and 1796, -	432
<i>Corona Borealis</i> , on the stars in, - - -	315, 322
CRUIKSHANK, WILLIAM, Esq. Experiments in which, on the third day after impregnation, the ova of rabbits were found in the fallopian tubes; and on the fourth day after impregnation in the uterus itself; with the first appearances of the fœtus,	197
<i>Cygnus</i> , on the stars in, - - - -	300

## D

DALBY, Mr. ISAAC. Account of the trigonometrical survey carried on in the years 1795 and 1796, - -	432
<i>Diamond</i> , on the nature of, - - - -	123
<i>Dip</i> , on horizontal refractions which affect it, - -	29
<i>Donation to the Royal Society</i> , account of one, for a prize medal,	215
<i>Douwes, Cornelius</i> . Remarks on his method of finding the latitude,	46

## E

<i>Earth</i> , on the influence of its elliptic form in computing lunar distances - - - -	108
<i>Electric discharges</i> , on the nature of the gas produced by passing them through water, - - - -	142

# INDEX.

	<i>page</i>
<i>Eridanus</i> , on the stars in, - - - -	304
<i>Eye</i> , on the morbid action of its straight muscles and cornea,	1
— on its inability to see near objects distinctly, - -	2

## F

<i>Fallopian tubes</i> , experiments made by dividing those of rabbits,	173
— experiments in which ova were found in them,	197
<i>Female, human</i> , remarks on some circumstances observed in pregnant ones, - - - -	211
<i>Flamsteed, Mr.</i> Account of an index to his observations of the fixed stars contained in the second volume of the <i>Historia Cælestis</i> , - - - -	293
<i>Fœtus</i> , on the first appearances of that of rabbits, - - -	197

## G

<i>Gall</i> , on its use in diseases of the eye, - - -	25
<i>Gas</i> , on the nature of that produced by passing electric discharges through water, - - -	142
— carbonated hydrogenous, experiments on, - - -	401
— phosphorated hydrogenous, remarks on, - - -	413
<i>Gemini</i> , on the stars in, - - - -	304
<i>Gold</i> , on the action of nitre upon it, - - -	219
<i>Gouty concretions</i> , observations on, - - -	386
<i>Gunpowder</i> , experiments to determine its force, - -	222
— solid substance produced from its vapour, - -	248
— specific gravity of, - - -	250
— progress of its combustion, - - -	281
— method of increasing its effect, - - -	285

## H

HAIGHTON, JOHN, M. D. An experimental inquiry concerning animal impregnation, - - - -	159
HENRY, Mr. WILLIAM. Experiments on carbonated hydrogenous gas; with a view to determine whether carbon be a simple or a compound substance, - - -	401
<i>Hercules</i> , on the stars in, - - - -	300
HERSCHEL, WILLIAM, LL. D. A third catalogue of the comparative brightness of the stars; with an introductory account of an index to Mr. Flamsteed's observations of the fixed stars contained in the second volume of the <i>Historia Cælestis</i> . To which are added, several useful results derived from that index, - - -	293
— observations of the changeable brightness of the satellites of Jupiter, and of the variation in	



# INDEX.

	<i>page</i>
their apparent magnitudes; with a determination of the time of their rotatory motions on their axes. To which is added, a measure of the diameter of the second satellite, and an estimate of the comparative size of all the four, - -	332
HOME, EVERARD, Esq. The Croonian Lecture. In which some of the morbid actions of the straight muscles and cornea of the eye are explained, and their treatment considered, -	1
<i>Horizontal refractions</i> , observations on those which affect the appearance of terrestrial objects, &c. - -	29
HUDDART, JOSEPH, Esq. Observations on horizontal refractions which affect the appearance of terrestrial objects, and the dip, or depression of the horizon of the sea, -	29

## I

<i>Iceland crystal</i> , experiments with, - - -	378
<i>Impregnation, animal</i> , experimental inquiry concerning, 159,	197

## J

<i>Jupiter, satellites of</i> , observations on, - -	332
_____ remarkable conjunction of two, -	334
_____ intenseness of their light and colour, -	334
_____ their brightness and diameter distinguished, -	335
_____ diameter of the second by entering on the disc of the planet, - - -	335
_____ their brightness compared to the belts and disc of the planet, - - -	339
_____ time of their rotatory motion, -	348

## K

<i>Kent</i> , account of a trigonometrical survey carried on therein,	507
---	-----

## L

<i>Lacerta</i> , on the stars in, - - -	316
<i>Lacher</i> , its effect in forming rings of colours, - -	364
<i>Lambre, M. de</i> . Demonstration of his formula for reducing a distance on the sphere to any great circle near it, or the contrary,	450
<i>Latitude</i> , on finding it by two heights of the sun, and the time elapsed between the observations, - - -	44
_____ calculations relative to the above method, -	113
<i>Lavoisier, M.</i> Remarks on his opinion respecting the force of gunpowder, - - -	233
<i>Lecture, Croonian</i> , - - -	1
<i>Leo</i> , on the stars in, - - -	305

# INDEX.

<i>Lepus</i> , on the stars in,	-	-	-	page 316
<i>Light</i> , on the affections and properties of it,	-	-	-	352
<i>Longitude</i> , on finding it by the distance from the moon to the sun, or to a star,	-	-	-	77
———— calculations relative to the above method,	-	-	-	117

## M

MARSHAM, ROBERT, Esq. A supplement to the measures of trees, printed in the Philosophical Transactions for 1759,	-	-	-	128
Martin, Mr. Remarks on an experiment made by him,	-	-	-	380
MASKELYNE, NEVIL, D. D. Demonstration of M. de Lambre's Formula in the <i>Connoissance des Temps</i> of 1793, for reducing a distance on the sphere to any great circle near it, or the contrary,	-	-	-	450
Medal, account of a donation for one,	-	-	-	215
MENDOZA Y RIOS, DON JOSEF DE. Recherches sur les principaux problèmes de l'astronomie nautique,	-	-	-	43
———— Extract of a letter to him from Henry Cavendish, Esq.	-	-	-	119
MUDGE, Capt. WILLIAM. Account of the trigonometrical survey carried on in the years 1795 and 1796,	-	-	-	432
Muscles of the eye, on their morbid action,	-	-	-	1
———— fore-arm and hand, on their morbid action,	-	-	-	4
Musket, description of a particular one,	-	-	-	286

## N

<i>Navis</i> , on the stars in,	-	-	-	317, 323
<i>Nitre</i> , on its action upon gold and platina,	-	-	-	219
<i>Northern Crown</i> , on a variable star therein,	-	-	-	133

## O

<i>Orion</i> , on the stars in,	-	-	-	318, 323
---------------------------------	---	---	---	----------

## P

PEARSON, GEORGE, M. D. Experiments and observations, made with the view of ascertaining the nature of the gaz produced by passing electric discharges through water,	-	-	-	142
<i>Pegasus</i> , on the stars in,	-	-	-	301
PIGOTT, EDWARD, Esq. On the periodical changes of brightness of two fixed stars,	-	-	-	133
<i>Platina</i> , on the action of nitre upon it,	-	-	-	221
<i>Presents</i> received by the Royal Society, from November 1796 to July 1797,	-	-	-	543

# INDEX.

	<i>page</i>
<i>Priestley, Dr.</i> Remarks on his opinion respecting the colour of blood, - - - - -	416
<i>Prostate gland</i> , on calculus from it, - - - - -	396

## R

<i>Rabbits</i> , experiments on them, respecting impregnation, 164, 173,	199
<i>Refractions, horixontal</i> , observations on those which affect the appearance of terrestrial objects, &c. - - -	29
<i>Robins, Mr.</i> Remarks on his computation of the force of gunpowder, - - - 223, 232, 236, 268, 277, 281,	288
<i>Romé de Lisle.</i> Remarks on a fact mentioned by him, - - -	381
<i>RUMFORD, BENJAMIN</i> , Count of. Letter from him, announcing a donation to the Royal Society, for the purpose of instituting a prize medal, - - - - -	215
Experiments to determine the force of fired gunpowder, - - - - -	222
Account of the loss of his papers, &c. - - - - -	256

## S

<i>Satellites of Jupiter.</i> See <i>Jupiter.</i>	
<i>Silver</i> , on the action of nitre upon it, - - - - -	221
<i>Sobieski's shield</i> , on a variable star therein, - - - - -	133
<i>Specula for reflectors</i> , remarks on, - - - - -	377
<i>Squinting</i> , remarks on, - - - - -	12
<i>Stars</i> , on the periodical changes of brightness of two, - - -	133
— third catalogue of their comparative brightness, - - -	293, 307
— additional notes to the first catalogue, - - - - -	297
— additional notes to the second catalogue, - - - - -	301
— on those in Andromeda, - - - - -	307, 321
— Aquarius, - - - - -	297
— Aquila, - - - - -	299
— Aries, - - - - -	301
— Bootes, - - - - -	309, 321
— Cancer, - - - - -	311, 321
— Capricornus, - - - - -	299
— Cassiopea, - - - - -	302
— Centaurus, - - - - -	314
— Cepheus, - - - - -	314, 322
— Cetus, - - - - -	303
— Corona Borealis, - - - - -	315, 322
— Cygnus, - - - - -	300
— Eridanus, - - - - -	304

# INDEX.

	<i>page</i>
<i>Stars, on those in Gemini,</i>	304
<i>Hercules,</i>	300
<i>Lacerta,</i>	316
<i>Leo,</i>	305
<i>Lepus,</i>	316
<i>Navis</i>	317, 323
<i>Orion,</i>	318, 323
<i>Pegasus,</i>	301
<i>Steam, on its elastic force,</i>	287
<i>Survey, trigonometrical, carried on in the years 1795 and 1796,</i>	
<i>account of,</i>	432
<i>particulars relating to the operations of</i>	
<i>the year 1795,</i>	434
<i>particulars relating to the operations of</i>	
<i>the year 1796,</i>	440
<i>demonstration of M. de Lambre's formula</i>	
<i>for reducing a distance on the sphere to any great circle near it,</i>	
<i>or the contrary,</i>	450
<i>calculation of the sides of the great tri-</i>	
<i>angles carried along the coasts of Dorsetshire, Devonshire, and</i>	
<i>Cornwall,</i>	455
<i>heights of the stations. Terrestrial refrac-</i>	
<i>tions, &amp;c.</i>	463
<i>secondary triangles, in which two angles</i>	
<i>only have been observed,</i>	478
<i>account of one carried on in Kent, in the</i>	
<i>years 1795 and 1796,</i>	507

## T

<i>Telescope, reflecting, supposed to have been invented by Zucchi- us,</i>	419
<i>Tendons, remarks on,</i>	19
TENNANT, SMITHSON, Esq. <i>On the nature of the diamond,</i>	123
<i>on the action of nitre upon gold</i>	
<i>and platina,</i>	219
THOMPSON, Sir BENJAMIN. <i>See Count of RUMFORD.</i>	
<i>Tobias, remarks upon the means he used to cure his father's blindness,</i>	25
<i>Trees, a supplement to the measures of them, printed in the Philo- sophical Transactions for 1759,</i>	128
<i>table shewing the annual increase, in circumference, of dif- ferent kinds,</i>	131
<i>Trigonometrical survey. See Survey.</i>	
<i>Troostwyk and Dieman, Messrs. Account of an experiment made by them,</i>	142

## INDEX.

### U

	page
<i>Urinary concretions</i> , observations on, - -	386
<i>Uterus</i> , experiments in which ova were found in that of rabbits, -	197

### V

<i>Vapour, aqueous</i> , supposed to be the principal cause of the force of gunpowder, - - -	233
- - - on its elastic force, - - -	287
<i>Vision, double</i> , remarks on, - - -	7
VULLIAMY, Mr. BENJAMIN. An account of the means employed to obtain an overflowing well, - -	325

### W

<i>Water</i> , on the gas produced by passing electric discharges through it, -	142
<i>Well</i> , account of the means employed to obtain an overflowing one, -	325
WELLS, WILLIAM CHARLES, M. D. Observations and experiments on the colour of blood, - -	416
WILLIAMS, Colonel EDWARD. Account of the trigonometrical survey carried on in the years 1795 and 1796, -	432
WOLLASTON, WILLIAM HYDE, M. D. On gouty and urinary concretions, - - -	386

### Z

<i>Zuccbius</i> . His opinion respecting the colours of bodies, -	418
- - - supposed to be the inventor of the reflecting telescope, -	419

---

## ERRATA.

Page 259, line 5 below the table, for 436800 read 412529.  
 386, at end of paragraph, after lithic add acid.  
 393, line 2, for earth read earths.  
 397, line 17, for By acid of read By aid of.

---

*From the Press of*  
**W. BULMER & Co.**  
*Cleveland-Row, St. James's.*